

RISHI AUROBINDO MEMORIAL ACADEMY

134, P. K. GUHA ROAD, AIRPORT GATE NO. 1 KOLKATA-28

ANNUAL SYLLABUS OF 2022-23

CLASS X

TIME DURATION	1 ST WEEK OF APRIL – 2 ND WEEK OF JUNE	1 ST WEEK OF JULY – 2 ND WEEK OF AUGUST	3 RD WEEK OF AUGUST – 1 ST WEEK OF SEPTEMBER		2 ND WEEK OF OCTOBER – LAST WEEK OF JANUARY		
SUBJECTS	UNIT I	UNIT II	PROJECT/PRACTICAL	MID TERM/PRE TEST	BEFORE MOCK/SELECTION	MOCK/SELECTION TEST	PROJECT/PRACTICAL
ENGLISH LANGUAGE	1. EMAIL 2. NOTICE 3. TENSES 4. JOIN THE SENTENCES WITHOUT USING 'AND', 'BUT' OR 'SO' 5. COMPREHENSION	1. LETTER 2. COMPOSITION 3. PREPOSITION	PICTURE COMPOSITION	UT 1 + UT 2	1. GRAMMAR 2. CORRECT FORM OF THE VERBS 3. NOTICE 4. EMAIL 5. PREPOSITION	FULL SYLLABUS	Argumentative Essay. Topic- hardwork isn't enough to be successful. Give your views for or against the statement.
ENGLISH LITERATURE	1. The Patriot 2. The Little Match Girl 3. The Blue Bead Drama: The Merchant of Venice Act III, Scene 1 Act III, Scene 2 Act III, Scene 3	1. Abu Ben Adhem 2. Nine Gold Medals 3. My Greatest Olympic Prize Drama: The Merchant of Venice Act III, Scene 4 Act III, Scene 5 Act IV, Scene 1 (Upto Line No. 166)	'The Little Match girl' is a depiction of pain and poverty. Write a critical note on this topic. Also refer to the life of its author. (1000-1500 words)	UT 1 + UT 2	1. I know why the caged Bird sings 2. All Summer in a day Drama: The Merchant of Venice Act I, Scenes 1, 2 & 3 Act II, Scenes 1 to 9 Act III, Scenes 1 to 5 Act IV, Scene 1 (Upto Line No. 166)	FULL SYLLABUS Drama: The Merchant of Venice Act I, Scenes 1, 2 & 3 Act II, Scenes 1 to 9 Act III, Scenes 1 to 5 Act IV, Scenes 1 & 2 Act V, Scene 1	Sketch the character of Portia in <i>The Merchant of Venice</i> by William Shakespeare.
HINDI	(Literature) 1) □□□□ □□ □□ □□□□ 2) □□□□□ 3) □□□ □□ □□ 4) □□□□ □□ □□ □□□ □□□□□□ □□□ 14 to 17 □□□□□□□ □□□□□□ □□□□□, □□□□□ □□□□□, □□□□□□□□□□□ ,□□□□□□	(Literature) 1) □□□□□ □□□ □□□□□□□□□□ 2) □□□□□□□□ □□□□ □□□□□□□-18-22	□□□□□□ □□□□ □□□□ □□□□□□□□ □□ □□□□ □□□□□□□□□□. □□□□ □□ □□ □□□□ □□□□□□ □□ □□□□□□□□, □□□□□□□□□□ ,□□□□□ □□ □□□□ □□□□□□ ,□□□□□□ □□ □□□□□□□□□□.	UT 1 + UT 2	Literature 1)□□ □□□□□□□ 2) □□□□□ □□□□□ □□□ 3) □□□□□ □□□□□□ □□□□ 4) □□□□ □□□ □□□□□□□ □□□□□□□□□□□ □□□□□□□□□□□ □□□ □□□□□□□□-23 - 26	FULL SYLLABUS	□□ □□□□□□□ □□□□□□ □□ □□□□□□□□, □□□□□□□□ □□ □□□□□□□□□□, □□□□□□ □□ □□□□□□□□□□, □□□□□□ □□□□□ □□□□□□.

EVS	Chapter – 1 Controlling Air Pollution Chapter – 2 Addressing Pollution Chapter – 3 Managing the Urban Environment Chapter – 4 Managing Soil & Land	Chapter - 5 Food Chapter – 6 Bio-Diversity Chapter – 7 Energy	Bio-Diversity	UT 1 + UT 2	Chapter: 8 Waste Chapter: 9 Environment and Development Chapter: 10 Towards Sustainable future	FULL SYLLABUS	Bio-Diversity
MATHEMATICS	1. Goods and services tax 2. Banking 3. Linear inequations 4. Factorisation 5. Quadratic equation in one variable	1. Ration and Proportion 2. Matrices 3. AP and GP 4. Reflection 5. Section formula 6. Similarity 7. Circles	Home Budget Managementa.	UT 1 + UT 2	1. Trigonometric Identities 2. Probability 3. Mensuration	FULL SYLLABUS	Home Budget Managementa.
PHYSICS	Force, work, power and energy Light (up to lens)	Light (from lens) Sound Electricity and magnetism (up to household electricity)	Lab manual	UT 1 + UT 2	Electricity and magnetism (from household) Modern physics	FULL SYLLABUS	Lab manual
CHEMISTRY	CH1- Periodic properties and variations of properties-physical and chemical CH2-Chemical bonding CH3-Study of acids, bases and salts CH4- Analytical chemistry	CH5-Mole concept and stoichiometry CH8-study of compounds CH9- Organic Chemistry	Study of acids and bases around us	UT 1 + UT 2	CH6-Electrolysis CH7- Metallurgy CH1 -Periodic properties and variations of properties-physical and chemical CH2- Chemical bonding CH3-Study of acids and bases CH5-Mole concept CH9- Organic chemistry	FULL SYLLABUS	Electrolysis of water

BIOLOGY	Ch1.Cell Ch2.Structure of Chromosomes, Cell Cycle and Cell Division Ch3.Genetics Ch4.Absorption by Roots Ch5.Transpiration Ch6.Photosynthesis	Ch7.Chemical Coordination in Plants Ch8.The Circulatory System Ch9.The Excretory System Ch10.The Nervous System	1. Observation of permanent slides of stages of mitosis. 2. To study the structure of urinary system of human. 3.To study the structure of human heart. 4. To study the structure of human kidney (Internal structure). 5. To study the structure of human brain.	UT 1 + UT 2	Ch11.Sense Organs Ch12.The Endocrine System Ch13. The Reproductive System Ch14.Human Evolution Ch15.Population Ch16.Pollution	FULL SYLLABUS	6. To study the structure of human ear. 7. To study the structure of human eye. 8.To demonstrate the phenomenon of “diffusion” 9. Identification of selected Endocrine Gland. 10. To demonstrate the phenomenon of Transpiration by bell jar method.
GEOGRAPHY	1. Climate of India 2. Soil Resources 3. Natural Vegetation Map of India: (i) Mountains, Peaks and Plateaus (ii) Plains (iii) Desert (iv) Rivers, Water Bodies	1. Water Resources 2. Mineral and Energy Resources Map of India: (v) Passes (vi) Latitudes and Longitudes (vii) Direction of winds	Environment: wildlife conservation efforts in India with special reference to Kaziranga or Sunderban.	UT 1 + UT 2	1. Agriculture 2. Manufacturing of Industries 3. Transport 4. Waste Management Map of India: (i) Distribution of minerals (ii) Soil distribution (iii) Cities (iv) Population	FULL SYLLABUS	Topographical maps

HISTORY	<p>Civics</p> <ol style="list-style-type: none"> 1. The Union Parliament 2. The Union Executive: The President and the Vice-President 3. The Union Executive: The Prime Minister, The Union Cabinet and the Council of Ministers <p>History</p> <ol style="list-style-type: none"> 1. The First War of Independence (1857) 2. Factors leading to the Growth of Nationalism and Foundation of the Indian National Congress 3. Objectives and Methods of struggle of the Early Nationalists 4. Second Phase of the Indian National Movement: Partition of Bengal and other Developments 5. Muslim League and it's objectives 6. National Movements during the First World War Lucknow Pact and other developments 	<p>Civics</p> <ol style="list-style-type: none"> 1. The Union Judiciary: The Supreme Court 2. The State Judiciary: The High Courts 3. The Subordinate Courts <p>History</p> <ol style="list-style-type: none"> 1. National Movements: 1919 – 1934 2. The Cripps Mission and Quit India Movement 3. Subhas Chandra Bose, Forward Bloc and the Indian National Army (INA) 4. Independence and the Partition of India 	<p>Present a life sketch and contribution of the former President of India Dr. A.P.J Abdul Kalam.</p>	<p>UT 1 + UT 2</p>	<ol style="list-style-type: none"> 1. The First World War 2. Rise of Dictatorship: Fascism in Italy and Nazism in Germany 3. The Second World War 4. The United Nations 5. Major agencies of the United Nations 6. The Non Aligned Movement 	<p>FULL SYLLABUS</p>	<p>Present a life sketch and contribution of the former President of India Dr. A.P.J Abdul Kalam.</p>
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ECONOMICS	Chapter: Factors of Production Chapter: Theory of Demand	Chapter: Elasticity of demand Chapter: Theory of supply	Markets in an Economy	Chapter: Types of Markets Chapter: Inflation Chapter: Consumer Awareness (including whole syllabus of unit test 1 and unit test 2)	Rest part of the syllabus	FULL SYLLABUS	Banking
COMMERCIAL STUDIES	Chapter: Stakeholders in commercial organization Chapter: Marketing and Sales Chapter: Advertising and Sales Promotion	Chapter: Budgeting Chapter: Consumer protection Chapter: Recruitment, selection and training	Marketing and Sales Promotion	Chapter: Final Accounts Chapter: E-commerce Chapter: Fundamental concept of Costs Chapter: Capital and Revenue expenditure (including full syllabus of unit test 1 and unit test 2)	Rest part of the syllabus	FULL SYLLABUS	E-commerce